PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 11366PC2	ransmittal of International Search Report) as well as, where applicable, item 5 below.								
International application No.	International filing date (day/month/year)		(Earliest) Priority Date (day/month/year)						
PCT/AU03/01333	9 October 2003		9 October 2002						
Applicant			·						
QUEENSLAND UNIVERSI	TY OF TECHNOLOG	Y et al							
This international search report has been pre	pared by this International S	Searching Authority and	is transmitted to the applicant according to						
Article 18. A copy is being transmitted to the									
This international search report consists of a total of 4 sheets. It is also accompanied by a copy of each prior art document cited in this report.									
	by of each prior art documer	it cited in this report.							
1. Basis of the report									
a. With regard to the language, the which it was filed, unless other	ne international search was of wise indicated under this item.	carried out on the basis c	of the international application in the language in						
the international search w (Rule 23.1(b)).	vas carried out on the basis of	of a translation of the int	ternational application furnished to this Authority						
b. With regard to any nucleotide carried out on the basis of the s	and/or amino acid sequenc equence listing:	e disclosed in the interna	ational application, the international search was						
contained in the internation	onal application in written for	orm.							
filed together with the int	filed together with the international application in computer readable form.								
furnished subsequently to	this Authority in written fo	rm.							
furnished subsequently to	this Authority in computer	readable form.							
the statement that the sub- application as filed has be	sequently furnished written en furnished.	sequence listing does no	ot go beyond the disclosure in the international						
the statement that the info furnished	rmation recorded in comput	er readable form is iden	tical to the written sequence listing has been						
2. Certain claims were found uns	searchable (See Box I).								
3. Unity of invention is lacking (S	See Box II).								
	•								
4. With regard to the title,	the text is approved as sub		·						
	the text has been established	ed by this Authority to re	ead as follows:						
•									
5. With regard to the abstract, X	the text is approved as sub	mitted by the applicant							
	the text has been established. The applicant may, within submit comments to this A	one month from the date	2.2(b), by this Authority as it appears in Box III. e of mailing of this international search report,						
6. The figure of the drawings to be publ	ished with the abstract is Fig	gure No. 4							
\mathbf{x}	as suggested by the applica	ınt.	None of the figures						
Ħ	because the applicant failed	i to suggest a figure	<u> </u>						
Ħ	because this figure better c	haracterizes the inventio	n						

International application No.

PCT/AU03/01333

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7:

A61B 5/0402

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATABASES CONSULTED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI: A61B A61N IMPEDANCE CARDIAC HEART VENTRIC MYOCARD FREQUENCY MULTI TRIPLE
SWEEP SCAN PLURAL MANY SEVERAL SPECTRA MEASURE DETERMINE CALCULAT COMPUTE
FUNCTION PLOT

C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 5063937 A (EZENWA et al) 12 November 1991 X Column 2 lines 29 to 61, column 4 line 57 to column 5 line 25 19-20 WO 96/01586 A1 (REINING INTERNATIONAL LTD.) 25 January 1996 X Entire document 1-20 EP 1247487 A1 (OSYPKA MEDICAL GmbH) 9 October 2002 P,X Entire document 1-20 \mathbf{x} See patent family annex Further documents are listed in the continuation of Box C Special categories of cited documents: document defining the general state of the art later document published after the international filing date or priority date which is not considered to be of particular and not in conflict with the application but cited to understand the principle relevance or theory underlying the invention earlier application or patent but published on or document of particular relevance; the claimed invention cannot be after the international filing date considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority document of particular relevance; the claimed invention cannot be claim(s) or which is cited to establish the considered to involve an inventive step when the document is combined publication date of another citation or other special with one or more other such documents, such combination being obvious to reason (as specified) a person skilled in the art "O" document referring to an oral disclosure, use, document member of the same patent family exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 1 6 DEC 2003 3 December 2003

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AUSTRALIAN PATENT OFFICE

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01333

C (Continua		Relevant to				
Category*	Citation of document, with indication, where appropriate, of the relevant passages					
	WO 00/40955 A1 (KAIKU LIMITED) 13 July 2000	19-20				
Y	Pages 10 to 11					
.•	FR 2748928 A1 (JABOURAIN ARTIN PASCAL) 28 November 1997					
Y	Figures Figures					
	RU 2112416 C1 (COMPUTING ENGINEERING RESEARCH INSTITUTE) 10 June					
. -	1998					
Y	Abstract and figure	19-20				
)	LIS 4005705 A CVIZAVENICH ALAD C March 1000					
Α	US 4905705 A (KIZAKEVICH et al) 6 March 1990 A Figure 1					
		1, 19				
	WO 93/18821 A1 (MEDTRONIC, INC.) 30 September 1993					
Α						
	EP 339471 B1 (LIFECOR, INC. PENNSYLVANIA CORPORATION) 26 March 1997					
A						
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	· ·					
1						

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01333

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Paten	nt Document Cited in Search Report	Patent Family Member					
US	5063937	NO	FAMILY		•		
wo	96/01586	EP	771172	US	5505209		
EP	1247487	CA	2352403	EP	1247487	US	6511438
wo	00/40955	AU	19891/00	EP	1141685	•	
FR	2748928	NO	FAMILY				
RU	2122416	NO	FAMILY		•		
3	4905705	AU	51768/90	wo	90/09757		
wo	93/18821	AU	37978/93	CA	2102906	EP	586664
		US	5282840			٠.	
EP	339471	CA	2043507	EP	459239	JР	01-320069
		JР	07-000541	JР	2000-051371	лР	2000-051372
		JР	2000-051373	US	4928690	US	5078134
	·				• ,		END OF ANNEX